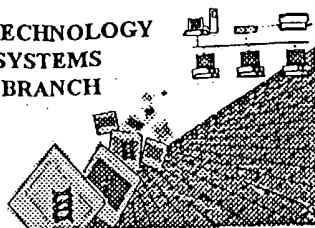


BIOTECHNOLOGY  
SYSTEMS  
BRANCH



**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/789,494A  
Source: IFWP  
Date Processed by STIC: 11/10/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):  
U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

## Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>10/789,494A</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor <b>after</b> creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <u>J</u> _____ Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. <b>Do not</b> use tab codes between numbers; use space characters, instead.	
4 <u>J</u> _____ Non-ASCII	The submitted file was <b>not</b> saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. <b>Per Sequence Rules, each n or Xaa can only represent a single residue.</b> Please present the <b>maximum</b> number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. <b>This applies to the mandatory &lt;220&gt;-&lt;223&gt; sections for Artificial or Unknown sequences.</b>	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for <b>each</b> skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to <b>include</b> the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for <b>each</b> skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is <b>MANDATORY</b> if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is <b>required</b> when <213> response is Unknown or is Artificial Sequence.	
11 _____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is <b>MANDATORY</b> if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n/Xaa	<b>"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid</b>	



IFWO

## RAW SEQUENCE LISTING

DATE: 11/10/2004

PATENT APPLICATION: US/10/789,494A

TIME: 16:20:14

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\11102004\J789494A.raw

2 <110> APPLICANT: TSUBOUCHI, Kozo  
 3 YAMADA, Hiromi  
 5 <120> TITLE OF INVENTION: EXTRACTION AND UTILIZATION OF CELL  
 6 GROWTH-PROMOTING PEPTIDES FROM SILK PROTEIN  
 8 <130> FILE REFERENCE: OPS 635  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/789,494A  
 11 <141> CURRENT FILING DATE: 2004-02-27  
 13 <150> PRIOR APPLICATION NUMBER: JP 2003-55048  
 14 <151> PRIOR FILING DATE: 2003-02-28  
 16 <160> NUMBER OF SEQ ID NOS: 85

*see item 4 on  
 Error summary  
 sheet*

*pp 1-2-3*  
 Does Not Comply  
 Corrected Diskette Needed

## ERRORRED SEQUENCES

18 <210> SEQ ID NO: 1  
 19 <211> LENGTH: 10  
 20 <212> TYPE: PRT  
 21 <213> ORGANISM: Bombyx mori  
 23 <220> FEATURE: *delete 220*  
 25 <400> SEQUENCE: 1  
 26 Val Ile Thr Thr Asp Ser Asp Gly Asn Glu  
 E--> 27 5 10 5

*if no 2217, 2227, or 2237 is shown*

29 <210> SEQ ID NO: 2  
 30 <211> LENGTH: 8  
 31 <212> TYPE: PRT  
 32 <213> ORGANISM: Bombyx mori  
 34 <220> FEATURE:  
 36 <400> SEQUENCE: 2  
 37 Asn Ile Asn Asp Phe Asp Glu Asp  
 E--> 38 5 5

*misaligned numbers. see item 3  
 on Error  
 summary  
 sheet.*

78 <210> SEQ ID NO: 6  
 79 <211> LENGTH: 6  
 80 <212> TYPE: PRT  
 81 <213> ORGANISM: Antheraea yamamai  
 83 <220> FEATURE:  
 85 <400> SEQUENCE: 6  
 86 Asp Glu Tyr Val Asp Asn  
 E--> 87 5

*same error*

102 <210> SEQ ID NO: 8  
 103 <211> LENGTH: 13  
 104 <212> TYPE: PRT  
 105 <213> ORGANISM: Antheraea yamamai  
 107 <220> FEATURE:

*same*

## RAW SEQUENCE LISTING

DATE: 11/10/2004

PATENT APPLICATION: US/10/789,494A

TIME: 16:20:14

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\11102004\J789494A.raw

109 &lt;400&gt; SEQUENCE: 8

110 Asp Asp Gly Phe Val Leu Asp Gly Gly Tyr

E--&gt; 111 5 10

112 Asp Ser Glu

693 &lt;210&gt; SEQ ID NO: 47

694 &lt;211&gt; LENGTH: 15 / 16 shown below

695 &lt;212&gt; TYPE: PRT

696 &lt;213&gt; ORGANISM: Antheraea yamamai

698 &lt;220&gt; FEATURE:

700 &lt;400&gt; SEQUENCE: 47

701 Ser Gly Ala Gly Gly Ser Gly Gly Tyr Gly Gly Tyr Gly Ser

702 5 10

703 Asp Ser

E--&gt; 704 15

↑

16<sup>th</sup> amino acid

10/789,494A 3

<210> 1  
<211> 10  
<212> PRT  
<213> *Bombyx mori*

do not use italics

Per sequence rules,  
use a fixed-width

font

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

**VERIFICATION SUMMARY**

DATE: 11/10/2004

PATENT APPLICATION: US/10/789,494A

TIME: 16:20:15

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\11102004\J789494A.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:27 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1  
L:38 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2  
L:87 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:6  
L:111 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:8  
L:704 M:252 E: No. of Seq. differs, <211> LENGTH:Input:15 Found:16 SEQ:47  
L:1163 M:283 W: Missing Blank Line separator, <400> field identifier